

ABSTRACT

A liquid crystal display device and a fabricating method thereof wherein an adhesive force between a seal and a lower plate is improved upon bonding of an upper plate to the lower plate. In high aperture liquid crystal display panels, organic protective films are used to reduce dielectric constants. However, the seal, used when bonding the upper and lower plates of the liquid crystal panel, generally do not adhere well to organic materials. In this invention, holes are generated in the organic protective film so that the seal bonds with inorganic materials such as the lower glass plate or the gate insulating film. A method is also presented to precisely control the amount of the gate insulating film to be etched using the EPD window technique.

005121 0133240